

Extension Service
U. S. D. A.

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DIVISION OF COOPERATIVE EXTENSION

VERTICAL FILE
MIMEOGRAPHED MATERIAL

★ SEP 22 1938 ★

O. E. S. LIBRARY

Motion Picture Films Available on
Insects and Spiders

U. S. DEPARTMENT OF AGRICULTURE FILMS

Bees

THE REALM OF THE HONEYBEE. (4) Life history. (**##211)

Field Crops

CORN AND THE BORER. (1) A history of the European corn-borer infestation in the United States. Quarantine and inspection methods employed to check the spread of the insect. (##211)

THE CORN BORER AND WHAT TO DO ABOUT IT. (2) Life history of the European corn borer and methods for control. (**##211)

FIGHTING THE EUROPEAN CORN BORER WITH MACHINERY. (1) Methods of controlling and destroying by field equipment. (**##211)

PARASITES OF THE EUROPEAN CORN BORER. (4) How parasites attack the corn borer. (##211)

HOPPERS. (2) Methods of grasshopper control, featuring life history and the poison-bait method; illustrating also a community campaign, including a big "mixing-bee." (##211)

THE LONG-WINGED GRASSHOPPER ON THE RAMPAGE - 1937. (2)
To be released about March 15, 1938. (**211)

WINGED WARFARE. (2) Designed to show the methods followed in commercial dusting of cotton by airplane for the control of the bollweevil. (**##211)

- Note:
1. The title of the film appears in caps.
 2. The number of reels follows in parentheses.
 3. Then follow brief data on the film.
 4. Distributors of each film are indicated by numbers at the extreme right, referring to the list of producers and distributors on pages 9-11.
 5. Symbols used with distributor-numbers give information on each individual film as follows:

* means 16mm sound
** means 16mm silent

means 35mm sound
means 35mm silent

Forest Insects

BOARD FEET OR BORED TIMBER? (1) The wormhole borer, pinhole borer, and other insects which attack green logs and cured lumber; their habits and methods of control. (##211)

FIGHTING WESTERN PINE BEETLES. (1) How pine beetles destroy valuable stands of timber, but may be controlled. (**##211)

GYPSY AND BROWN-TAIL MOTHS--CONTROL METHODS. (1) Man's fight to prevent spreading--spraying, dusting and other measures. (##211)

GYPSY AND BROWN-TAIL MOTHS--INSECT ENEMIES. (1) A description of introduced parasites of gypsy and brown-tail moths; how they are bred and distributed and how they work. (##211)

THE CICADA. (2) Life history of seventeen-year locust. (*##211)

Fruit Insects

THE JAPANESE BEETLE--LIFE HISTORY, DAMAGE AND SPREAD. (2) Origin and dates of introduction; life cycle; use of traps. (**##211)

THE JAPANESE BEETLE--METHODS OF CONTROL (2) Methods used to combat it--spraying, fumigation, inspection of farm produce, etc. (**##211)

BEWARE THE JAPANESE BEETLE! (1) A popular picture containing the important points of the two pictures listed above and designed especially for use in public schools. (**##211)

Garden and Flower Insects

BEANS OR BEETLES? (1) The importance of the bean crop, and the menace of the Mexican bean beetle; methods of controlling damage by this insect. (##211)

POP GOES THE WEEVIL. (3) Control of sweetpotato weevil. (**##211)

Household Insects

WHY MOTHS LEAVE HOME. (1) Shows damage done by clothes moths and methods of getting rid of this pest. (##211)

Man and Animal Insect Pests

MOSQUITOES. (3) Baleful influence on human and animal life; life history and methods of control. (**##211)

THE MOSQUITO--PUBLIC ENEMY. (2) How it affects man and beast; varieties and life history; methods of control. (*#211)

THE CCC AT WORK--MOSQUITO CONTROL. (1) Digging ditches in salt-marsh lands of Delaware. (**##211)

HORSES AND BOTS. (2) Three types of botflies, how they attack horses and mules; methods of treatment; eradication campaigns. (**##211)

HORN FLIES--PESTS OF CATTLE. (1) How to prevent the breeding of horn flies and reduce the harm done by their attack on cattle. (##211)

MOLLIE OF PINE GROVE VAT. (3) Showing tick eradication work in the South. (##211)

SCREW WORMS. (1) How insect is fought successfully in the Southwestern States. (**##211)

STABLE FLIES AND THEIR CONTROL. (1) Methods of protecting animals from the stable fly and preventing breeding of pest. (##211)

Plant Disease Eradication

BANISHING THE BARBERRY. (2) How Government forces operate to eradicate the common barberry to control the spread of the black stem rust. (##211)

RUST. (2) How black stem rust affects crops and communities-- eradication of barberry to prevent rust epidemics. (**##211)

THE PINES. (2) Control of white pine blister rust. (##211)

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COMMERCIAL FILMS^x

Popular Aspects of Insects

Ants

ANTS, NATURE'S CRAFTSMEN. (1) Detailed picture of the community life of the ant. (**55,60,153**##,76;##175,234)

THE ANT. (1) Appearance and habits. (* **60)

THE ANT LION. (1) Life history. (**98)

x Excerpts from 1000 and One Blue Book of Nontheatrical Films, 1937-38.

- BENEATH OUR FEET. (1) Study of the ant. (*29,117)
- DESPOILERS OF JUNGLE GARDENS. (1) Life and habits of attas, or leaf-cutting ants; filmed by Dr. Wm. Beebe. (##234)
- GIANTS OF INDUSTRY. (1) Division of labor among ants. (**55)
- OUR ANT GANG. ($\frac{1}{4}$) Life cycle and underground work of ant. (**29)
- OUTWITTING THE ANT. (1/3) How ant-lion lures unsuspecting victims. (**30)
- PREPAREDNESS AMONG ANTS. ($\frac{1}{2}$) Community life and many activities. (**30)
- QUEEN OF THE UNDERWORLD. (1) Shows the life of the queen ant; one of a series of scientific studies made by Louis Tolhurst. (*29)

Bees

- BEE BREAD. ($\frac{1}{4}$) Development of the bee from egg to adult; the gathering, transporting and storing of pollen by the bees. (**29)
- BEEES AND SPIDERS. (1) Life history of the bee; habits of spiders. (**60)
- BUSY BEES. (1) Industry and ingenuity of the bee. (**98)
- HER MAJESTY THE QUEEN BEE. (1) Microscopic study. (*29,86,117)
- HONEYMAKERS. (1) Whole cycle of the bee. (**153; **##76,234; ##175)
- PALACE OF HONEY. (1) Life of the bee. (**3,60; **##234)

Beetles

- BEETLES. (1) Complete life cycle of tiger, ladybird and Japanese beetles. (* ** # ##68; *20,29,117,222)
- BEETLE STUDIES. (1) Battle for existence with other insects. (* **60)
- CARDUI BEETLE. (1) Habits and characteristics. (*60)

Butterflies and Moths

- THE BUTTERFLY. (1) Story of its development. (**55,117)
- BUTTERFLIES. (1) Life history of two common butterflies, their characteristics and habits. (* ** # ##68; *20,29,222)

- CABBAGE BUTTERFLY. (1) Views of metamorphosis. (**##76;##234)
- COMMA BUTTERFLY. (1) From laying of fluted eggs to beautiful comma butterfly. (**##30)
- EGG TO BUTTERFLY. (1) Study shows butterfly actually growing before your eyes. (*#160)
- FROM COCOON TO BUTTERFLY. (1) Title tells it. (*29,86,117)
- JEWELLED DAUGHTERS OF THE AIR. (1) Life history of Ailanthus moth. (**30)
- NATURE'S HANDIWORK. (1) Various phases in life of caterpillars, moths, and butterflies. (* **60;***3,120,153;##175)
- NATURE'S TENT BUILDERS. ($\frac{1}{2}$) Cycle of life of tent caterpillar and moth. (**30)
- SWALLOWTAIL BUTTERFLY. (1) From laying of eggs to emergence from cocoon. (* **60)
- WHITE CABBAGE BUTTERFLY. (1) Complete metamorphosis from larvae to butterfly. (*60)

Flies

- THE BLUEBOTTLE FLY. (1) Life history of this scavenger. (##234)
- THE FLY'S EYE. ($\frac{1}{4}$) Microscopic study of this marvelous organ of sight. Made by Louis Tolhurst. (**29)
- FRIENDLY FLIES. (1) Two types studied--the hoverer and drone. (*98,117,240)
- THE HOUSE FLY. (1) Life history, structure, dangerous habits, rapidity of breeding, and methods of control. (**59)
- THE HOUSE FLY. (1) Four stages of life cycle shown--egg, larva, pupa, and adult; activities as disease carrier. (* ** # ##68; *20,29,222)
- OUR COMMON ENEMY. (1) Picture study of the house fly--from egg to maturity. (**55,60,153;##76,175)
- SWAT THE FLY. (1) Shows what a menace to health is this pest; where flies develop and how they may be exterminated. (* **60;***120)

Mosquitoes

- THE LIFE HISTORY OF THE YELLOW FEVER MOSQUITO. (1)
Photomicrographic views of mosquito eggs floating in
water-hatching, feeding, swimming, breathing and the
larva. (**59)
- MOSQUITOES. ($\frac{1}{4}$) Life history; characteristics. (**112,159)
- MOSQUITOES AND MALARIA. (1) Life cycle of mosquito and
course taken through human blood stream by malarial germ. (* **60)
- POISONED DAGGERS. (1) The mosquito, where and how
they breed. (**##240)
- SINGING AND STINGING. (1) Microscopic study of the
mosquito and means science has discovered to assail the
pest. (**60,153; **##76,175,234)
- STUNG! BY AMOS QUITO. (2/3) Information to prevent
malaria. (**30)

Silkworms

- FORTUNE BUILDERS. (1) Life of silk moth. (**120;# ##70; **##234)
- MOTHS. (1) Various stages of their metamorphosis spinning
of silk and other habits and characteristics. (* ** # ##68; *20,29,117,222)
- THE SILKWORM. (1) Life history and commercial importance.
(# ##70;##175)
- ROMANCE OF SILK. (1) Life history of silkworm; obtaining
raw silk from cocoon; manufacture and winding on spools
ready for shipment. (**13,60,153; **##28)

Spiders

- GIANT SPIDERS. ($\frac{1}{4}$) Close structural studies of tropical
species. (**29)
- NORTH AMERICAN SPIDERS. ($\frac{1}{4}$) Life history, web-spinning. (**29)
- SPIDERS. (1) Structure, development and habits. (**59)
- THE SPIDER. ($\frac{1}{4}$) Eggs of the spider; eggs hatch; spider
catching fly. Tolhurst study. (**112,159)
- SPIDERS. (1) Garden and wolf spiders; how they weave web and
catch insects, hatch eggs and rear young. (* ** # ##68; *20,29,222)
- SPIDERS AND THEIR VICTIMS. (1) How it has been equipped by nature. (*60)

STRANGE COURTSHIP. (1) Life story of garden spider. (**98)

TRAP-DOOR SPIDER. (¼) Making its home; baby spiders. (**30)

Water Insects

MONSTROSITIES OF PONDLAND. (1) Story of frogs, toads, newts, water fleas, aquatic flies, and others. (*60;**120)

POND INSECTS. (1) Diving water beetle, may fly and dragon fly, their life cycles and food habits. (* ** # ##68;*20,29,117,222)

SOME WATER INSECTS. (3/4) Activities of striders, bugs, scorpions, dragon flies and damsel flies. (**55,59)

WONDERS OF THE UNSEEN WORLD. (¼) Studies of dragon fly and the larvae; water beetles, etc. (**30)

Miscellaneous

APHIDS. (1) Its unusual life and relation to man; its life-cycle. (* ** # ##68; *20,29,117,222)

BATTLE OF THE CENTURIES. (1) Insects in fight for existence. (*29)

CASTLE OF PAPER. (1) Paper-making hornets. (**60)

CHINCH BUGS. (1) Life story and methods of eradication. (##220)

DWELLERS OF HEDGE AND THICKET. (1) Variety of insects found in wayside growth. (* **60)

DISEASE CARRIERS. (1) Dangers of infection from insect pests; how to overcome dangers. (**70)

EARTHWORMS. (1) Reproduction progress and work done by them in enriching soil. (* **60)

GRASSHOPPER. (1) Close-ups of male and female and worker; hatching of larvae; methods of feeding. (* **60)

INHABITANTS OF A HEDGEROW. (1) Many kinds of insects. (**120)

INSECT HOMES. (1) How homes of various insects are built, eggs cared for and manner of obtaining food. (*60)

INSECT MIMICRY AND SONG. (¼) Title tells it. (**29)

INSECT ODDITIES. (1) Protective qualities with which nature has endowed them. (* **60)

KILLERS. (1) Intimate study in micro-photography proving that the existence of insects depends upon their ability to destroy each other. (*29)

NATURE'S CAMOUFLAGE. (1) Biological study illustrating Nature's camouflage of insects, birds, and fish. (##234)

NATURE STUDY. (Series of 18. 1 reel each) Titles are: In Birdland; Pirates of the Sky; Butterflies and Moths; Ants, Bees and Spiders; Pets; Fruit and Flowers; Growing Things; Preparing for a Garden (Part I and II); The Sky; Our Earth; A Day at the River; Seaside Friends and Their Country Cousins; Down at Our Pond; Friends to Man; Furry Creatures. (**##54,234; **175,240)

ODDITIES OF NATURE. (1) How Nature camouflages insects, animals and fish to protect them. (*160)

PLANTING AND CARE OF TREES. (1) Insect pests of trees; planting a tree. Emphasizes necessity of proper planting and care of trees. (**59)

POTATO ENEMIES. (1) How potato pests may be controlled. (**59)

RODENTS AND INSECTS OF THE GREAT AMERICAN DESERT. (1) Rodents and insects in their native haunts. (##234)

TERMITES. (1) Partial life history. (**55,59)

THE FARMERS' FRIEND. (1) Louis Tolhurst discloses the activity of the citrus fruit scale pest, to combat which the "ladybird" bug is used. (*29)

THE LIGHT OF LOVE. (1) Fascinating life history of the female glowworm; the method of getting her mate. (*98,117; #234)

THE WASP AND THE BEE. (1) Habitats and habits. (* **160; #70; ##175)

TRAPS FOR INSECTS. (1) Insect-eating plants and animals. (**60)

WAR IN THE TREES. (1) Scientists preventing attack of woodwasp on fir and pine trees. (*98,240)

WHOSE PROPERTY. (1) The invisible army of destructive parasites and insects attacking our trees, flowers, etc. (**##240)

INDEX OF PRODUCERS AND DISTRIBUTORS

3. Akin & Bagshaw, Inc., 1425 Williams Street, Denver, Colo. Large library of educational, entertainment and comedy subjects--mostly 16mm silent, some 16mm sound--rent. Prices: Rental - 16mm silent 50¢ (in Kans., Ida., Colo., N. M., Neb., Mont., S. D., Tex., Utah, Wyo., in other states, 75¢); 16mm sound \$1 to \$2.
13. American Museum of Natural History, 79th St. and Central Park W., New York City. 210 films--educational and industrial--mostly 16mm, a few 35mm, silent--non-flam--"free"--serve U. S. east of the Rockies.
20. Ampro Corporation, 2839 N. Western Ave., Chicago. Complete Erpi library--16mm sound subjects--sell only. Prices: on request.
28. Belding Heminway Corticelli, 119 W. 40th St., N. Y. City. 1 film on silk--16mm or 35mm silent--non-flam--"free."
29. Bell & Howell Co., 1801 Larchmont Ave., Chicago; 11 W. 42nd St., New York City; 710 N. LaBrea Ave., Hollywood, California. 1000 films--wide range of educational and entertainment subjects in 16mm silent and sound--rent, sell, some "free"--serve all U. S. through branch libraries. Prices: rental - 16mm silent \$1, 16mm sound \$1.50 (\$2.00 per r. for features); Sale - 16mm silent \$24, 16mm sound \$36.
30. Bray Pictures Corp., Educational Dept., 729 Seventh Ave., New York City. Producer and distributor of large library of educational, industrial and travel films--16mm or 35mm, mostly silent, some sound--flam and non-flam--rent or sell, a few "free." Prices: Rental 16mm sound \$3, 16mm silent \$1 to \$2; 35mm sound \$3, 35mm silent \$1.50 to \$2; Sale-16mm sound \$50, 16mm silent \$28 to \$35; 35mm sound \$75, 35mm silent \$60 to \$75. Write for nearest exchange.
54. DeVry, Herman A., Inc., 1111 Armitage Ave., Chicago. 86 films--vocational guidance, geography, citizenship, science, health--16mm and 35mm silent--sell. Prices: Sale 16mm silent \$24, 35mm silent \$80.
55. Dudley, William H., Visual Education Service, Inc., 736 S. Wabash Ave., Chicago. Several hundred films--educational and entertainment--16mm silent--available for single bookings, or on yearly circuit service plan. Prices: Rental 43¢ to \$1.50.

59. Eastman Kodak Co., Teaching Films Division, 343 State Street, Rochester, New York. Producer of 237 classroom films--made by teachers and correlated with study courses for schools and colleges--16mm silent--sell only. Prices: Sell - 16mm silent \$24, and proportionately less for less than full reel.
60. Edited Pictures System, Inc., 330 W. 42d Street, New York City. 400 school films--16mm sound and silent--rent. Prices: Rent - 16mm sound \$2, 16mm silent \$1.50 (over 1 r. \$2 to \$3).
68. Erpi Picture Consultants, Inc., 250 W. 57th Street, New York City. Producer and distributor of films on science, music, vocational guidance, teacher training, child psychology--75 subjects--16mm and 35mm sound and silent--non-flam--sell except Teacher Training and Child Psychology films which also rent. Also available in 16mm sound from 20, 29, 222 on same basis. Prices: Sell - 16mm sound \$50, 35mm sound \$100 (2 r., 16mm sound \$85, 35mm sound \$190).
70. F. C. Pictures Corp., 505 Pearl St., Buffalo, New York. Over 1000 educational, entertainment, religious and industrial subjects--mostly 35mm silent and sound, some 16mm silent--70% flam in 35mm--rent or sell. Prices: Rent - 35mm silent \$1 to \$5, 35mm sound \$2 to \$5, 16mm silent \$1 to \$3.
76. Films of Commerce Co., Inc., 21 W. 46th St., New York City. Producer and distributor of large library of educational subjects--16mm and 35mm silent--flam and non-flam--some "free", sell from headquarters and rent through exchanges. Prices: Sell - 16mm silent \$24, 35mm silent \$60.
86. Garrison Film Distributors, Inc., 730 Seventh Ave., New York City. 1150 features, featurettes and shorts--educational, instructional and foreign language films--mostly 16mm sound, also many 16mm silent, 35mm sound and silent--flam and non-flam--rent or sell, lease territories. Prices: Rent - 16mm sound \$1 to \$2, 16mm silent 50¢ to \$1; sell - 16mm sound \$20 to \$50, 16mm silent \$10 to \$25. Other prices on request.
98. Gutlohn, Walter, O., Inc., 35 W. 45th St., New York City. Over 500 films--general educational and entertainment--16mm sound and silent--sell and rent from headquarters and distributors--write for nearest. Prices: Rent - on request; sell - 16mm sound \$30 to \$50, 16mm silent \$24 to \$30 (less school discounts).

112. Hollywood Film Enterprises, Inc., 6060 Sunset Blvd., Hollywood, California. 1000 films--educational and entertainment--16mm silent--rent, sell, and exchange. Prices: Rent - 75¢; sell - \$3.50 (100 foot subject).
117. Ideal Pictures Corp., 30 E. Eighth St., Chicago. Vast library of educational, entertainment, religious and industrial films--16mm sound and silent, 35mm silent--mostly flam in 35mm--rent, sell, a few "free". Prices: Rent - 16mm sound \$1.50 to \$2.50; 16mm and 35mm silent 50¢ to \$1.
120. Institutional Cinema Service, 130 W. 46th St., New York City. 350 films--educational and entertainment--mostly 16mm silent, a few in 16mm sound, 35mm sound and silent--mostly flam in 35mm--rent and sell. Prices: Rent - 16 and 35mm sound \$1.50 to \$2, 16 and 35mm silent \$1 to \$1.50; sell - 16mm sound \$12 to \$25, 16mm silent \$10 to \$21.
153. Mogull Brothers, 1944 Boston Rd., New York City. Extensive library and wide range of subjects 16mm sound and silent--rent and sell. Prices: Rent - 16mm sound 75¢ to \$1.50 (features \$3 to \$25), 16mm silent 50¢ to \$1 (features \$1.50 to \$10); sell - on request.
159. National Motion Picture Co., Mooresville, Ind. 150 films--health and general educational--all in 16mm silent, 100 in 35mm silent--flam and non-flam--rent or sell. Prices: Rent - 16 and 35mm silent \$1.50; sell - 16mm silent \$20 to \$30, 35mm silent \$50 to \$100.
160. National Motion Picture Service, 723 Seventh Ave., New York City. Produce and distribute variety of subjects--250 films--16mm and 35mm, sound and silent--rent or sell, some "free." Prices: Rent - 16mm sound \$1 to \$1.50, 16mm silent 75¢ to \$1; 35mm sound \$2.50 to \$4 (features less per reel); sell - 16mm sound \$17.50 to \$25, 16mm silent \$15 to \$17.50; 35mm sound \$40 to \$50, 35mm silent \$30 to \$40.
175. Pinkney Film Service, 1028 Forbes St., Pittsburg, Pa. 300 films--educational, entertainment and religious--mostly 35mm silent, some 16mm silent--non-flam--rent, sell, some "free." Prices: Rent - 35mm silent \$2.50 to \$3, 16mm silent \$1.50 to \$2 (features \$5.00 to \$12.50); sell - 35mm silent \$66, 16mm silent \$24.
211. U. S. Department of Agriculture, Extension Service, Division of Motion Pictures, Washington, D. C. 303 films--agriculture, forestry, highway construction, etc., 289 in 35mm silent, 34 in sound--187 in 16mm silent, 33 in sound--non-flam--"free" and for sale. Distributes from headquarters and from: Extension Division, University of California, Berkeley (serves California, Nevada, Arizona, Utah); Extension Service, State

College of Agriculture, Corvallis, Ore. (serves Oregon, Washington, Montana, Idaho). Many prints are available from other state colleges and universities. Prices per reel: Sell 16mm sound \$10 and silent \$6; 35mm sound and silent \$22.50.

220. Venard, C. L., 702 S. Adams St., Peoria, Ill. Many films-- agricultural subjects--100 in 35mm silent, 7 in sound--15 in 16mm silent, 12 in sound--flam and non-flam--rent, sell, many "free". Prices: on request.
222. Victor Animatograph Corp., Film Division, 242 W. 55th St., New York City. Educational and entertainment subjects--all 16mm-- 104 sound, 30 silent--sell. Prices: sell - 16mm sound \$30 to \$50.
234. Wholesome Films Service, Inc., 48 Melrose St., Boston, Mass. Large library of educational, religious and entertainment subjects--16mm and 35mm silent mostly, some sound--flam and non-flam--rent or sell, a few "free". Prices: Rent - 16mm sound \$1.50 to \$2, 16mm silent \$1 to \$1.50; 35mm sound \$3, 35mm silent \$2 to \$2.50; sell - 16mm sound \$20 to \$35, 16mm silent \$15 to \$24; 35mm sound \$25 to \$50, 35mm silent \$15 to \$50.
240. Y. M. C. A., National Council of, Motion Picture Bureau, 347 Madison Ave., New York City; 19 S. LaSalle St., Chicago. Large library--industrial, educational, religious and entertainment--16mm sound and silent, and 35mm silent--non-flam--rent, sell, and many "free". Prices: Rent - 16mm sound \$1 to \$2, 16mm silent 50¢ to \$2.25; 35mm silent \$1.50 to \$2.

N. B. As far as is possible from data supplied by the Distributors, prices are given in the foregoing in average figures which should be quite reliable. Rental prices usually do not include transportation charges, and are "per day, per single-reel subjects" (1000 foot in 35mm, 400 foot in 16mm), unless otherwise specified. For more than one-reel subjects the price is often less per reel. "Free" means no charge save transportation, one or both ways.